Automating PDF to Spreadsheet Conversion

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The Problem

- Spreadsheets help large companies keep track of the economic surveys they need to fill out
- Usually created by hand by Census Bureau employees in time-intensive and tedious process

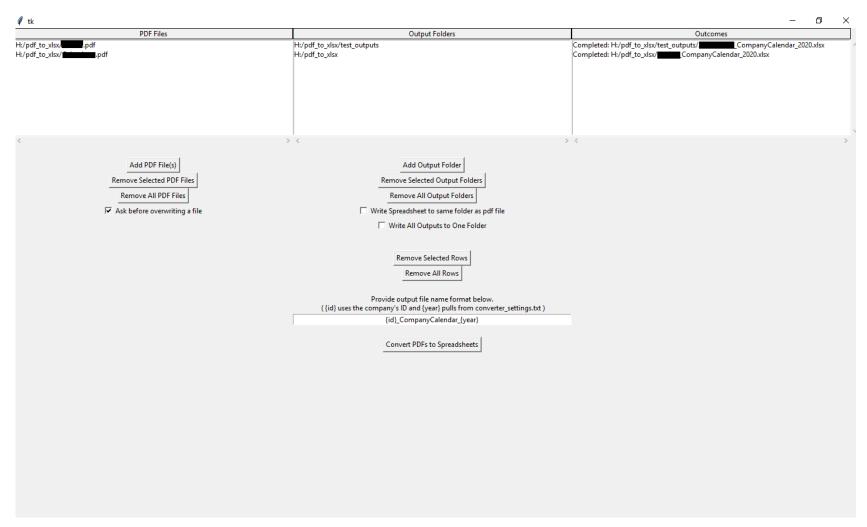


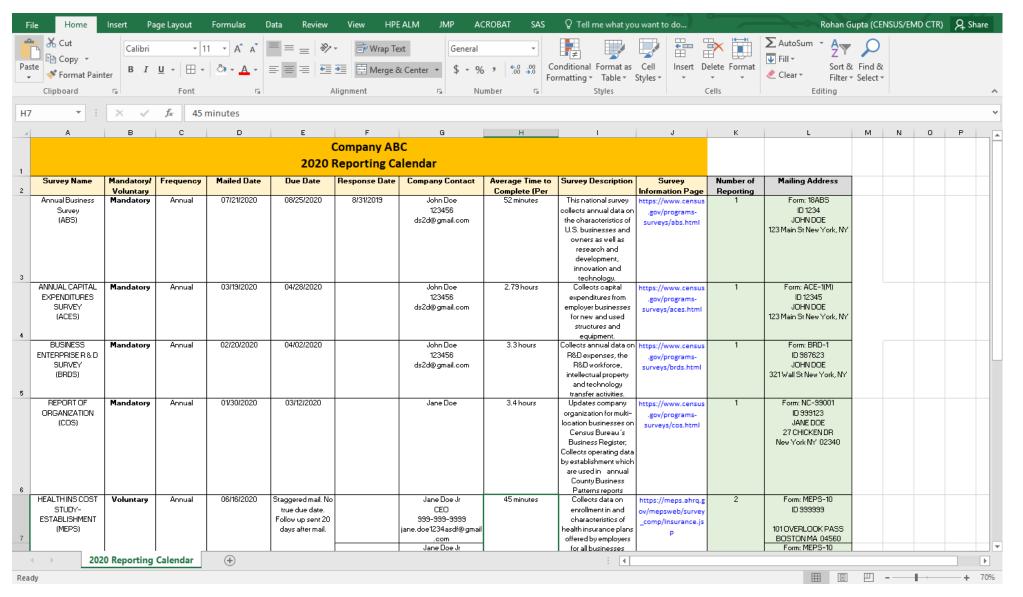
The Process

- Explored various Python libraries, settling on Camelot for most of the pdf reading, OpenPyxl
 for the spreadsheet writing, and tKinter for the UI
- Met with Account Managers both as a group and individually and continuously improved the program based on their feedback



The Solution

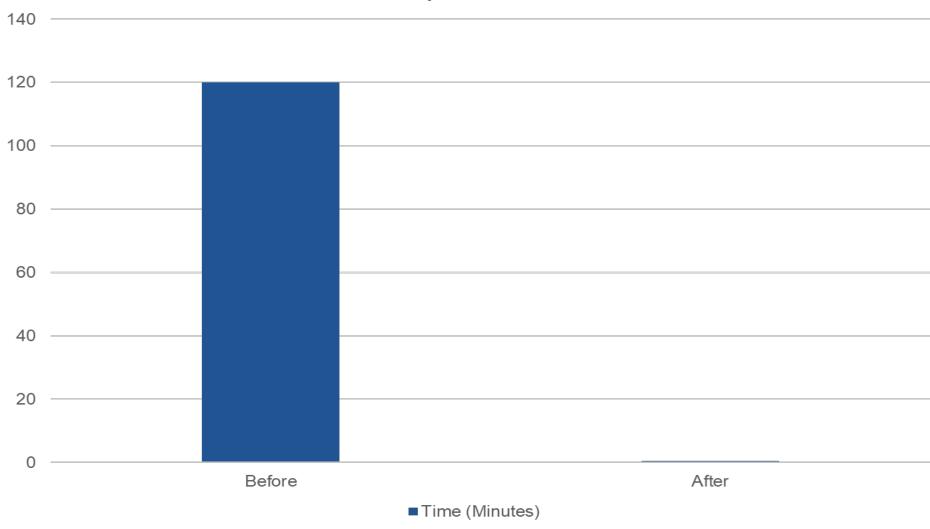








Time Required to Convert







Impact

- Present
 - Should save Census employees at least 25-50 hours per year
- Future:
 - Easy to change spreadsheet format in a standardized way
 - Allows these spreadsheets to be distributed to more companies since creating one takes just a few clicks and thirty seconds
 - Makes it easier for companies to keep track of surveys → less time staying organized and higher response rate



